

- 1  $[R] \rightleftharpoons [R^*]$
- 2  $[R] \rightleftharpoons [R^*] + [A] \rightleftharpoons [R^*A]$
- 3  $[IR] \rightleftharpoons [I] + [R] \rightleftharpoons [R^*] + [A] \rightleftharpoons [R^*A]$
- 4  $[R^a] \rightleftharpoons [R^{a*}]$
- 5  $[IR^a] \rightleftharpoons [I] + [R^a] \rightleftharpoons [R^{a*}]$
- 6  $[R^*] + [D] \rightleftharpoons [R^*D]$   
 $\downarrow \qquad \qquad \qquad \downarrow$   
 signal  $\qquad \qquad \qquad *$

Figure 1

Figure 2

